



UME Graduate School Secretariat

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Master in Earthquake Engineering and Engineering Seismology

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GOALS

The Master in Earthquake Engineering and Engineering Seismology featuring the programmes **with** (ERASMUS MUNDUS – MEEES) and **without mobility** (ROSE), is part of the activities of the graduate school in Understanding and Managing Extremes (UME, www.umeschool.it), with the aim of providing higher-level education in the field of earthquake engineering and seismology, and meeting the ever-growing demand for expertise in these specialised fields. The Master offers the highest quality training in earthquake engineering and engineering seismology by inviting the best academics from each field.

STRENGTHS

- Exclusive in the cutting edge international exposure it offers to participants.
- Unique opportunity to work with highly motivated and skilled students coming from all over the world, guided by the most important and highly qualified academics and professionals in the field.
- Italian lifestyle and Pavia's beauty and tradition.

PROGRAMMES STRUCTURE

Graduate students involved in the ROSE and MEEES programmes have the possibility of following a 18-month study programme that leads to the attainment of a Master degree in Earthquake Engineering (MEEES), in Engineering Seismology (MEEES), or in Earthquake Engineering and Engineering Seismology (ROSE, MEEES), depending on the chosen study programme.

These programmes require attending and passing a number of courses aiming to achieve at least 60 credits, plus additional 30 credits obtained through study and research traineeship, or stages leading to a written dissertation. All courses of both programmes are taught in English.

The ROSE Master degree is jointly awarded by the Institute for Advanced Study of Pavia (IUSS-Pavia) and the University of Pavia.

The MEEES Erasmus Mundus II program (2009-2013) is a cooperation and mobility program in the field of higher education that aims to enhance the quality of European higher education and to promote dialogue and understanding between people and cultures through cooperation with Third Countries. The MEEES Master degree is jointly awarded by the Institute for Advanced Study of Pavia (IUSS-Pavia), the University of Grenoble 1 "Joseph Fourier", the University of Patras and the Middle East Technical University (METU) of Ankara (MEEES Consortium). Students are required to attend courses at two of the four partner institutions.

COOPERATION AGREEMENTS

Cooperation agreements with a number of renowned institutions actively involved in earthquake engineering and engineering seismology research are currently in place at the ROSE Programme, allowing for cooperation in research activities, combined organisation of seminars and conferences, exchange of technical data and publications, and most importantly the possibility of student exchange initiatives.

Formal agreements are currently available with the following institutions:

Imperial College London (UK), North Carolina State University (USA), University of Adelaide (Australia), University of Canterbury (New Zealand), University of Toronto (Canada), University of

California at San Diego (USA), University at Buffalo (USA), Georgia Institute of Technology (USA), University of Cincinnati (USA), Universidad Técnica Particular de Loja (Ecuador), Tongji University Shanghai (China), University of Illinois at Urbana-Champaign (USA).

HIGHLIGHTS

Duration

18 months. The programs begin in September and call for a full-time commitment.

Application deadlines

ROSE Master: End of February.

MEEES Master: End of December and end of April (for candidates with Consortium Scholarship or without scholarship).

Admission requirements

Minimum requirement in order to apply for both ROSE and MEEES programmes is a 4 years University Degree in Civil Engineering or similar fields. Applicants interested in the seismology curriculum may possess a University Degree in civil engineering, geology, geophysics, physics, applied mathematics, or other similar fields. An adequate command of the English language is required.

Admission procedure

The selection is based on the evaluation of academic qualifications, past professional experience, reference letters and English proficiency all of which should be included in the online submission procedure.

Tuition fees

9,000€ (Euro) for ROSE Master Programme.

12,000€ (Euro) for Erasmus Mundus (MEEES) Master Programme.

Scholarships and financial aid

Every year, the ROSE Programme offers a limited number of scholarships to its students based on merit and taking into account geographic origin.

For the MEEES Programme, scholarships directly sponsored by the European Commission, i.e. EM Category A or EM Category B Scholarships, or by the Consortium (i.e. Consortium scholarships) are assigned. The EM scholarship holder must study in countries different from the country in which he/she has obtained his/her last university degree. A 50% tuition waiver is available to students receiving an EM Category B or a Consortium scholarship.

Location

The academic activities of the ROSE Programme are hosted at the Eucentre Foundation (European Centre for Training and Research in Earthquake Engineering, www.eucentre.it), while, in the framework of the MEEES Programme, students are required to attend courses at two of the four partner institutions.

The CAR College – a landmark structure dating back to the second half of the seventeenth century located in the historical centre of Pavia – has recently been refurbished to serve as an international hosting facility for postgraduate students as well as visiting faculty and scholars (www.collegioriboldi.it).

FURTHER INFORMATION

Master ROSE: www.roseschool.it

Master MEEES: www.meees.org